

| ORDER FOR SUPPLIES OR SERVICES | | | | | | PAGE OF PAGES | | |
|---|---|---|---|--|-----------------|---|----------------------|--------------------------------------|
| | | | | | | 1 | 19 | |
| IMPORTANT: Mark all packages and papers with contract and/or order numbers. | | | | | | | | |
| 1. DATE OF ORDER 05/24/2019 | | 2. CONTRACT NO. (If any) 68HERH19D0022 | | 6. SHIP TO: | | | | |
| 3. ORDER NO. 68HERH19F0201 | | 4. REQUISITION/REFERENCE NO. PR-OCSPP-19-00291 | | a. NAME OF CONSIGNEE OCSPP DC | | | | |
| 5. ISSUING OFFICE (Address correspondence to) HQAD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 | | | | b. STREET ADDRESS USEPA OCSPP (Division), MC: RM: WJC East Building 1201 Constitution Ave, NW | | | | |
| | | | | c. CITY Washington | | d. STATE DC | e. ZIP CODE 20004 | |
| 7. TO: David Sprague | | | | f. SHIP VIA | | | | |
| a. NAME OF CONTRACTOR SRC, INC. | | | | 8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if anv. including delivery as indicated. | | | | |
| b. COMPANY NAME | | | | | | | | |
| c. STREET ADDRESS 7502 ROUND POND ROAD | | | | <input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract. | | | | |
| d. CITY NORTH SYRACUSE | | e. STATE NY | f. ZIP CODE 132122558 | | | | | |
| 9. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | 10. REQUISITIONING OFFICE | | | | |
| 11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB | | | | | | 12. F.O.B. POINT | | |
| 13. PLACE OF | | 14. GOVERNMENT B/L NO. | | 15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) Multiple | | 16. DISCOUNT TERMS | | |
| a. INSPECTION Destination | | b. ACCEPTANCE Destination | | | | | | |
| 17. SCHEDULE (See reverse for Rejections) | | | | | | | | |
| ITEM NO. (a) | SUPPLIES OR SERVICES (b) | | | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
| | DUNS Number: 063053771 TRI Chemical Hazard Assessment Support and Database Development (formerly RFTOP Task Order 09) TOCOR: Thomas Forbes Max Expire Date: 05/22/2024 Continued ... | | | | | | | |
| SEE BILLING INSTRUCTIONS ON REVERSE | 18. SHIPPING POINT | | 19. GROSS SHIPPING WEIGHT | | 20. INVOICE NO. | | \$165,000.00 | 17(h) TOTAL (Cont. pages) ▲ |
| | 21. MAIL INVOICE TO: | | | | | | | |
| | a. NAME | | RTP Finance Center | | | | | |
| | b. STREET ADDRESS (or P.O. Box) | | US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts | | | | \$919,799.12 | 17(i) GRAND TOTAL ▲ |
| c. CITY | | d. STATE | e. ZIP CODE | | | | | |
| Durham | | NC | 27711 | | | | | |
| 22. UNITED STATES OF AMERICA BY (Signature) | | | | 05/24/2019 | | 23. NAME (Typed) Genine McElroy TITLE: CONTRACTING/ORDERING OFFICER | | |
| | | | | ELECTRONIC SIGNATURE | | | | |

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

| | | |
|-----------------------------|-------------------------------|----------------------------|
| DATE OF ORDER 05/24/2019 | CONTRACT NO. 68HERH19D0022 | ORDER NO. 68HERH19F0201 |
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| ITEM NO. (a) | SUPPLIES/SERVICES (b) | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
|-----------------|--|----------------------------|-------------|----------------------|---------------|-----------------------------|
| | Admin Office: HQAD US Environmental Protection Agency William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 3803R Washington DC 20460 Accounting Info: 19-20-B-69A-000CD6-2505-TRAAZZH-1969HTR001-0 01 BFY: 19 EFY: 20 Fund: B Budget Org: 69A Program (PRC): 000CD6 Budget (BOC): 2505 Cost: TRAAZZH DCN - Line ID: 1969HTR001-001 Period of Performance: 05/24/2019 to 05/23/2020 | | | | | |
| 0001 | Base Year: Task Order Type: T&M Hours 1,305 NTE: \$177,073.06 Period of Performance: 05/24/2019 - 05/23/2020 Delivery: 05/24/2019 | | | | 165,000.00 | |
| 0002 | Option Year 1: Task Order Type: T&M Hours 1,305 NTE: \$180,603.31 Period of Performance: 05/24/2020 - 05/23/2021 (Option Line Item) 03/23/2020 | | | | Option | |
| 0003 | Option Year 2: Task Order Type: T&M Hours 1,305 NTE: \$184,204.96 Period of Performance: 05/24/2021 - 05/23/2022 (Option Line Item) 03/23/2021 | | | | Option | |
| 0004 | Option Year 3: Task Order Type: T&M Hours 1,305 NTE: \$187,876.19 Period of Performance: 05/24/2022 - 05/23/2023 Continued ... | | | | Option | |

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$165,000.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

| | | |
|---------------|---------------|---------------|
| DATE OF ORDER | CONTRACT NO. | ORDER NO. |
| 05/24/2019 | 68HERH19D0022 | 68HERH19F0201 |

| ITEM NO. (a) | SUPPLIES/SERVICES (b) | QUANTITY ORDERED (c) | UNIT (d) | UNIT PRICE (e) | AMOUNT (f) | QUANTITY ACCEPTED (g) |
|-----------------|--|----------------------------|-------------|----------------------|---------------|-----------------------------|
| 0005 | (Option Line Item) 03/23/2022 Option Year 4: Task Order Type: T&M Hours 1,305 NTE: \$190,041.60 Period of Performance: 05/24/2023 - 05/23/2024 (Option Line Item) 03/23/2023 The obligated amount of award: \$165,000.00. The total for this award is shown in box 17(i). | | | | Option | |

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00



ENVIRONMENTAL PROTECTION AGENCY

**TRI Chemical Hazard Assessment Support and
Database Development**

CONTRACT: 68HERH19D0022

TASK ORDER NUMBER: 68HERH19F0201

PROJECT TITLE: TRI Chemical Hazard Assessment Support and Database Development

BACKGROUND

Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) requires certain facilities manufacturing, processing or otherwise using listed toxic chemicals to report their annual releases to the EPA Toxics Release Inventory (TRI). Chemicals which meet the statutory criteria described in EPCRA section 313 (d) (2) (A)-(C) are subject to reporting. The EPCRA section 313 chemical list was originally created by combining lists of 300 toxic chemicals and 20 chemical categories. In November 1994, another 281 chemicals and chemical categories were added. The statute does not specify how serious or significant a toxic effect must be for a chemical to be listed under any of the criteria. That determination is based upon scientific judgment provided by TRI Program staff in the EPA Office of Pollution Prevention and Toxics (OPPT).

Under section 313(d) (1) the EPA Administrator may by rule add or delete a chemical from the TRI list at any time. Under EPCRA section 313(e) persons may petition EPA to add or delete chemicals from the TRI list. EPA must respond to petitions within 180 days by either initiating a rulemaking or publishing an explanation of why the petition is denied. To determine if chemicals under review meet the EPCRA section 313(d)(2) listing criteria, the Regulatory Development Branch (RDB) conducts hazard assessments that cover chemistry, environmental fate, as well as human health and ecological effects.

In addition, the scope of this work may also be utilized to support hazard assessments in other EPA program offices as well as intra-Agency scientific initiatives. This work includes software tool updates and maintenance including but not limited to TRI-CHIP.

TASKS

The task order COR (TOCOR) will provide the name and description of the required assessment(s) of the specific chemical or chemicals to the contractor via written technical direction. The TOCOR will provide the contractor with:

1. A minimum list of databases (and the years) to be searched to identify the primary literature to be reviewed for the hazard assessment as well as appropriate direction on systematic review.
2. Copies of the format to be followed for hazard assessments, including tables and text pertaining to the use of quantitative structural activity relationship (QSAR) models when no measured environmental data are available.
3. Written guidance relevant to performing an environmental hazard assessment.
4. Current agency criteria and guidance for evaluating databases or toxicity studies for appropriateness of use in hazard assessment.

TASK 1: HAZARD AND CHEMICAL ASSESSMENTS

The contractor shall support the EPA Office of Pollution Prevention and Toxics (OPPT) Regulatory Development Branch (RDB) in preparing all hazard assessments in support of TRI petitions (EPCRA section 313(e) petitions) to list or delist chemicals and chemical reviews under EPCRA section 313(2)(1) as well as activities related to list management. This includes hazard assessments for proposed chemical additions to TRI. Depending on the chemical under review, the TOCOR will specify which of the following deliverables shall be required:

- A human health hazard assessment for both acute and chronic health effects.
- An ecological acute and chronic toxicity hazard assessment.
- A chemistry and environmental fate assessment.

For some chemical reviews, only a partial chemical assessment may be required, (e.g., only a human health hazard assessment).

Task1-1: Human Health Hazard Assessments

a) Research

For the chemical designated by the TOCOR, the contractor shall perform a thorough search of the primary literature to determine the appropriate human health hazard endpoints that support the TRI listing criteria. All available database, including but not limited to MEDLINE, TOXNET, TOXLINE, RTECS, CCRIS, the 1991 and 1994 CARA database of assessments produced by the

National Center for Environmental Assessment, EMIC / EMICBACK, DART / ETICBACK, EPA ToxRefDB, EPA Aggregated Computational Toxicology Resource (ACTOR), EPA National Center for Computational Toxicology ToxCast Program, DIALOG, and AQUIRE shall be searched for primary sources of toxicological and epidemiological studies for each chemical. The contractor shall supply a copy of all relevant references to the TOCOR.

b) Evaluation

The contractor shall conduct a human health hazard evaluation on the chemical in accordance with relevant EPA guidelines for each human health endpoint. The hazard evaluation shall identify the most sensitive endpoint for effects of short-term (acute) and repeated (sub-chronic, chronic) exposure to each chemical. The entire toxicity database supporting purported toxic effect(s) shall be subject to detailed analysis, and individual studies shall be carefully examined with respect to the overall quality and accuracy of the studies supporting the toxicity.

c) Assessment

The contractor shall provide a written assessment for each human health hazard chemical review. The assessment shall include:

- i) Summaries of relevant studies that form the basis for the identification of the most critical toxic endpoints for each chemical. These should include a detailed description of the study methodology and limitations if appropriate. These summaries shall include the severity and significance of the effects to the target organs and the dose levels at which effects occur (LOELs, LOAELs, BMDs, BMDLs and NOELs mg/kg/day if appropriate). The contractor should cite the toxicity values identified by the study authors as well as an EPA-derived toxicity value if appropriate. The contractor shall also detail any formulas used when concentrations (ppm, mg/m³, %) of the chemical are converted to doses (mg kg⁻¹ day⁻¹).
- ii) Copies in pdf format if possible of citations and source documents used as a basis for determining the key toxicity endpoints.
- iii) Key Study Quality Assurance (QA) Table: a table which identifies key studies and their quality which were used in support of a position on a specific human health hazard endpoint (i.e., cancer, neurotoxicity, etc.). The table shall be written for each human health hazard review. The hazard assessment summary shall point out any major limitations and uncertainties associated with key studies, author's affiliation, species tested, exposure route, LOEL, LOAEL, BMD, BMDL, and NOEL if appropriate. A model of the table format will be provided to the contractor by the TOCOR.
- iv) Where applicable, the contractor shall also include acute and/or chronic exposure assessments along with documentation. Citations must be provided for any models used in the assessment.

Deliverables

1. Human health hazard assessment report.
2. Copies of references (in electronic PDF format)
3. Key Study QA Table

Task 1-2: Ecological Hazard Assessments

a) Research

For the chemical designated by the TOCOR, the contractor shall perform a thorough search of the primary and/or secondary literature to determine the appropriate environmental or ecological hazard endpoints for toxicity, persistence, and bioaccumulation that support the TRI listing criteria. Databases searched shall include, but are not limited to, ECOTOX. Where experimental information is unavailable, model data shall be generated as applicable, using the EPI Suite (formerly, EPIWIN) software. A copy of the EPI Suite software will be provided by EPA. The contractor shall supply a copy of all references cited to the TOCOR.

b) Evaluation

The contractor shall conduct an ecological hazard assessment in accordance with EPA guidelines. Report findings shall be based upon primary and/or secondary references as specified by the TOCOR. The hazard evaluation shall identify the most sensitive endpoint for effects of short-term (i.e., acute) and repeated or longer term (i.e., sub-chronic or chronic) exposure to each chemical. Appropriate toxicity data on various species of fish (e.g., bluegill sunfish, sheepshead minnow), aquatic invertebrates (i.e., *Daphnia magna*, Eastern oyster, mysid shrimp), birds (e.g., bobwhite quail, mallard duck), and terrestrial invertebrates (e.g., earthworms) shall be considered. Individual studies shall be carefully examined with respect to overall quality and accuracy of testing methodology, testing parameters, and reported endpoints, using agency guidance documents. Depending on the level of toxicity associated with a chemical, the contractor may also need to take into consideration a chemical's Bioconcentration Factor (BCF) and/or Bioaccumulation Factor (BAF) and persistence (e.g., half-life) in determining the chemical's potential to cause a significant adverse effect on the environment. Guidance on the consideration of persistence or BCF's in determining the potential for significant adverse effects will be provided by the TOCOR. The contractor shall also consider the potential environmental hazard associated with any toxic degradation products for the chemical under review. The degradation products must be able to form under natural environmental conditions at concentrations considered environmentally toxic. Where available, information on population-level effects should also be provided.

c) Assessment

The contractor shall provide a written assessment for each ecological hazard review. The assessment shall include:

- i) Summaries of relevant studies that form the basis for the identification of the most critical and

sensitive endpoints for each chemical. These summaries shall include the severity and significance of the effects to the environment, the concentration and/or dose levels at which effects occur (LC_{50} / EC_{50} , MATCs for aquatic species, LOELs, NOELs, and LD_{50} in the case of mammalian / avian data), as well as the overall quality of the study. Where information is available, observed population-level effects should also be summarized. The hazard assessment summary shall point out any major limitations and uncertainties associated with key studies. The contractor shall also detail any formulas used when concentrations (ppm, %) of the chemical are converted to exposure concentrations (mg/L).

- ii) Copies of citations and source documents used as a basis for determining the key toxicity endpoints.
- iii) Text and tables for the ecological assessments which explain the use of QSAR models when no measured data is available in the literature.
- iv) BAFs and/or BCFs.
- v) Where applicable, the contractor shall also include acute and/or chronic exposure assessments along with documentation, or reference to the models used to make the assessments.

Deliverables

- 1. Ecological hazard assessment report
- 2. Copies of references

Task 1-3 Detailed Chemical Profile and Environmental Fate Assessment

a) Profile

The contractor shall develop a detailed chemical profile and fate assessment. Report findings shall be based upon primary and/or secondary references, as specified by the TOCOR. Databases searched for information shall be identified, including the OECD e-Chem Portal. The profile shall include:

- i) Physical/chemical properties including physical state at STP, MW, molecular formula, melting point, boiling point, vapor pressure, flash point, water solubility, specific gravity, K_{oc} , and Henry's Law constants.
- ii) Environmental transport of the chemical including observed or predicted volatilization rates from aquatic bodies, surface water, and surface soils.
- iii) Environmental biotic and abiotic fate and degradation rates including photolysis and hydrolysis and identification of rates as primary or ultimate.
- v) Assessment of the production of toxic transformation byproducts and their environmental fate.

- v) Sources including manufacturing processes, natural production and releases.
- vi) Chemical uses.
- vii) Relative percent distribution of the chemical in the environment based upon a fugacity level III model (with the advection option turned off).
- vii) Identification of models used to generate environmental fate values.
- ix) Identification, as applicable, as a Volatile Organic Compounds (VOCs) and/or Hazardous Air Pollutants (HAPS) as determined by the EPA Office of Air and Radiation.

b) Evaluation

The contractor shall provide the TOCOR with a written environmental chemistry and fate assessment which shall list databases from which information was retrieved, references for all physical-chemical parameters reported, and documentation or references for the models used to predict the physical/chemical properties and environmental fate values reported.

Deliverables

1. Chemical-Fate Assessment Report
2. Copies of references.

Task 1-4: Chemical Exposure Assessment

The contractor shall prepare an exposure assessment in support of the TRI Program. Exposure considerations for EPCRA Section 313 decisions apply to the environment at or beyond facility site boundaries, and do not make use of occupational or consumer exposures except for background information. The term "fence line" is often used to describe concentrations or exposures beyond facility site boundaries on a local scale rather than a broad regional average. Although nearby surroundings of facilities and short-term transport are often emphasized, assessments of more persistent compounds often consider longer ranges.

Elements of TRI exposure assessments shall include:

- Purpose, such as estimating air concentrations at or beyond facility boundaries for short-term human health concerns or estimating the aquatic concentrations downstream from reported water releases to scope out concerns for aquatic organisms.
- Summarization of the compound's fate and transport as it relates to exposure; including significant degradation and cross-media transport.
- Summarization and tabulation of releases to the media covered in the report.

Reported TRI releases or information from other release inventories may be used. Most release reporting is only available as annual estimates. Where information is available, as a part of the exposure assessment report, the contractor shall provide a summary table stating facility locations and quantities for:

- Fugitive emissions to air
- Stack emissions to air
- Surface water discharges directly from facilities
- Estimated surface water releases from reported transfers to POTW's

- When relevant summarization of land releases from the wide variety of on-site and off-site reporting categories.
- Description of environmental concentration distributions of the compound, as modeled using the reported releases and locations of the TRI facilities together with environmental fate parameters.
- Estimated doses for human health concerns for appropriate durations, as directed by a combination of health concerns and statutory interpretation for a case.

Deliverables:

1. Draft Chemical Exposure Report

Task 1-5: Responses to Peer Review

As a part of the review process for drafted assessment documents, comments are received from other program offices, peer reviewers, and the public. The contractor shall investigate the responses to these comments and provide a written response to the TOCOR as well as a revised hazard assessment if requested.

Deliverables

1. Response to comments document.

TASK 2: OTHER ASSOCIATED TASKS

Task 2-1: Technical Editing and Support in Preparation of TRI Chemical Assessment Related Documents

When assigned by the TOCOR, the contractor shall provide technical editing support on documents related to the assessment of chemicals for the TRI Program. This technical support shall include reference acquisition, the insertion of links to databases and models available from the internet

used in the TRI Standard Operating Procedures for the development of chemical assessments (human health, ecological hazard, and chemical-fate).

Deliverable

1. Revised report based upon technical edits.

Task 2-2: Database and Information Management Support Including Support and Maintenance of TRI CHIP

The contractor will provide information management and database support. This shall include organization and structuring of submitted data, database management and maintenance, as well as provision of software expertise in support of online publication and access.

The contractor shall provide technical information management support for intranet and internet information system development. Information systems may require the capturing and processing of external and internal data sources using imaging technology, tracking information (both external and internal) within a system, capturing internal word processing data and/or other electronic generated data as well as external electronic data, archiving data, and possibly disseminating this information via the internet, EPA's Home Web Page, or a Division Home page. The contractor shall provide technical processing support and basic IT/IM support to complement in-house resources. Technical processing support shall include but not be limited to the initial review of submissions and data entry following accompanying Quality Control (Q/C) procedures; internal transmittals; preparation and mailing of acknowledgment letters to submitters; preparation of submission abstracts and data summaries; document imaging support - compatible with OPPT systems; and maintenance of file integrity. IT/IM efforts, as defined by EPA Order 2100, will be conducted in accordance with relevant agency procedures and policies established and approved by the Office of Environmental Information and the OPPT Information Management Division, and include but is not limited to system life cycle management, capital planning and investment control, data standards, application deployment within the Agency's IT/IM infrastructure, Agency and OPPT enterprise architecture, and information security. EPA Information Technology/Information Management policies are found at www.epa.gov/irmpoli8.

The contractor shall provide support that includes, but is not limited to, the following: maintaining existing information exchange systems; developing management-event tracking systems; evaluating hardware/software/peripheral combinations for document tracking, review and dissemination. Contractor must be knowledgeable in the construction of databases used for chemical and biotechnology products. This includes familiarity with data formats commonly used for data bases relevant to these products. Contractors shall develop and maintain databases using such software products as: ISIS/Base, Lotus Approach, Lotus Notes, and other standard software as well as provide for data maintained in Genbank and RKC formats used for biological products.

Deliverables

1. Will be determined via written technical direction.

2. Updated version of TRI CHIP database.

ADDITIONAL REQUIREMENTS

Section 508 Compliance Requirements. All deliverables shall be in compliance with Section 508, Accessibility Standards of the Rehabilitation Act of 1973, and Amendments of 1998. When preparing deliverables, the contractor shall refer to the most recent version of the 508 Standards at:

<http://www.access-board.gov/sec508/guide/>.

Contractor personnel shall at all times identify themselves as contractor employees and shall not present themselves as EPA employees. Furthermore, they shall not represent the views of the U.S. Government, EPA, or its employees. In addition, the contractor shall not engage in inherently governmental activities, including but not limited to actual determination of EPA policy and preparation of documents on EPA letterhead.

DELIVERABLES

| DELIVERABLE | DUE DATE* |
|--|---|
| QAPP | Prior to initiation of Env. Data Activities |
| Subtask 1-1 Human Health Assessment <ul style="list-style-type: none"> - Report - Key study QA table - References | 80 days 50 days 57 days |
| Subtask 1-2 Ecological Hazard Assessment <ul style="list-style-type: none"> -Report - References | 80 days 57 days |
| Subtask 1-3 Detailed Chemical Profile and Environmental Fate Assessment <ul style="list-style-type: none"> - Report - References | 50 days 57 days |
| Subtask 1-4 Preparation of Exposure Assessment <ul style="list-style-type: none"> - Draft Report | 45 days |

| | |
|--|---|
| Subtask 1-5 Responses to Peer Reviewers <ul style="list-style-type: none"> - Tabulated Comments from Peer Reviewers - Prepared Responses | Tabulate Comments -30 days Prepare Response to Comments document - 45 days |
|--|---|

| DELIVERABLE | DUE DATE* |
|--|-----------|
| Subtask 2-1 Technical Editing Support in Preparation of: <ul style="list-style-type: none"> - TRI Chemical Assessment Related. - Edited Documents, references delivered to: EPA Task Manager | |
| | 14 days |

1.4. Period of Performance

The period of performance of this task order is:

- Base: 12 months from award date
- Option 1: 12 months from option exercise
- Option 2: 12 months from option exercise
- Option 3: 12 months from option exercise
- Option 4: 12 months from option exercise

1.5. Task Order Type: Time & Materials

1. INSPECTION AND ACCEPTANCE

2.1 Quality Assurance Project Plan

The Contractor shall submit the following quality system documentation to the CO at the time frames identified below:

| | Documentation | Specifications | Due |
|---|---|--|------------------------|
| X | Quality Assurance Project Plan for the Task Order | EPA Requirements for Quality Assurance Project Plans (QA/R-5) [dated 03/20/11] | 14 days after TO award |

This documentation can be found on the following EPA website – <https://www.epa.gov/quality/epa-qar-5-epa-requirements-quality-assurance-project-plans>

This documentation will be prepared in accordance with the specifications identified above or equivalent specifications defined by EPA.

The Government will review and return the quality documentation, with comments, and indicating approval or disapproval. If necessary, the contractor shall revise the documentation to address all comments and shall submit the revised documentation to the government for approval.

The Contractor shall not commence work involving environmental data generation or use until the Government has approved the quality documentation.

2. TASK ORDER ADMINISTRATION DATA

3.1 Contract Administration Representatives

Contracting Officer: Genine McElroy

Contract Specialist: N/A

Contract Level Contracting Officer's Representative: Bryan Lobar, lobar.bryan@epa.gov

Task Order Contracting Officer's Representative (TOCOR): Thomas L Forbes, forbes.thomas@epa.gov

Alternate TOCOR: David S Turk, turk.david@epa.gov

3.2 INVOICING

Invoices shall be submitted in accordance with contract clause G.3 EPAAR 1552.232-70 SUBMISSION OF INVOICES. (JUN 1996) - ALTERNATE I (JUN 1996).

(End of Clause)

3. TASK ORDER CLAUSES

4.2 FAR 52.217-9 Option to Extend the Term of the Contract (Mar 2000)

(a) The Government may extend the term of this task order by written notice to the Contractor within 5 calendar days before the expiration of this task order; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 30 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended task order shall be considered to include this option clause.

(c) The total duration of this task order, including the exercise of any options under this clause, shall

not exceed 60 months.

LOCAL CLAUSE EPA-B-32-103A

LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line items 0001 through 0005 are severable and may be incrementally funded. For these items, the sum of \$165,000.00 of the total price is presently available for payment and allotted to this contract.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled, "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 5 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85% of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION:

| | PRIOR AMOUNT | THIS MOD. | NEW AMOUNT |
|-----------------------|-----------------|--------------|---------------|
| BASE PERIOD | | | |
| Total Maximum Amount: | | | \$177,073.06 |
| Funded Amount: | | | \$165,000.00 |

(End of clause)

4. EPA-J-52-101 LIST OF ATTACHMENTS

Attachment 1: QUALITY ASSURANCE SURVEILLANCE PLAN

ATTACHMENT 1

QUALITY ASSURANCE SURVEILLANCE PLAN

| PERFORMANCE REQUIREMENT | PERFORMANCE MEASURE (PM) | PERFORMANCE STANDARD | SURVEILLANCE METHOD | INCENTIVES & DISINCENTIVES |
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| <p><u>MANAGEMENT AND COMMUNICATION:</u></p> <p>The contractor shall maintain contact with the EPA CO, COR, and TOCOR throughout the performance of the contract.</p> | <p>Contractor shall immediately bring potential problems to the appropriate EPA personnel and shall recommend actions that would mitigate or resolve the problem.</p> | <p>Issues that impact project schedules and costs shall be brought to the attention of the EPA within 3-days of occurrence.</p> | <p>All active task orders will be reviewed by the EPA to identify unreported issues.</p> | <p>Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation of Business Relations in the Contractor Performance Assessment Reporting System (CPARS).</p> |
| <p><u>TIMELINESS:</u></p> <p>For every Task Order awarded establishing a firm, specific delivery date for the generation of a report, the contractor shall deliver such report to the COR, TOCOR and CO no later than the time specified in the order's PWS.</p> | <p>Deliverables and related work must comply with contractual timeliness requirements. The contractor will be evaluated on its responsiveness to all task orders.</p> | <p>95% of all deliverables and related work shall be completed on time within task schedule and/or tech. direction requirements.</p> | <p>100% inspection of all deliverables and related work by the TOCOR; TOCOR will document the timeliness of all work requirements.</p> | <p>Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation of Timeliness in the Contractor Performance Assessment Reporting System (CPARS).</p> |
| <p><u>TECHNICAL QUALITY:</u></p> <p>For every task order awarded, the analyses conducted by the contractor shall be factual, defensible, credible, and based on sound scientific methods. All data shall be collected from reputable sources and quality assurance measures shall be conducted in accordance with the agency requirements outlined in the task orders.</p> | <p>All deliverables and related work must be complete, accurate, thorough, and professionally credible.</p> | <p>Data are 100% accurate; review demonstrates a high level of expertise and credibility with regard to personnel and use of scientific methodology. Task Orders shall be conducted in strict conformance with approved QA plans. Outputs shall withstand internal review by the US EPA and outside scientific reviewers.</p> | <p>EPA Staff will conduct secondary reviews of work completed by the contractor. Feedback will be provided.</p> | <p>Performance will be considered in the award of subsequent task orders and will be factored into the annual evaluation in the category of Quality of Product or Service in the Contractor Performance Assessment Reporting System (CPARS).</p> |